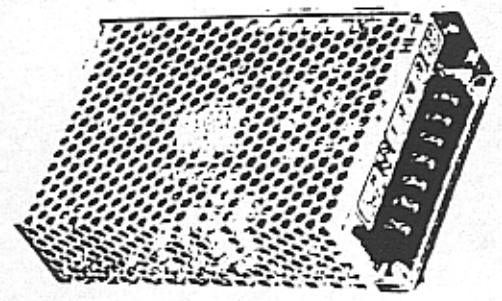
123481

MEAN WELL

MEAN WELL SWITCHING POWER SUPPLY

T-60 SERIES

- LOW COST, HIGH RELIABILITY
- 105℃ OUTPUT CAPACITOR
- INTERNATIONAL AC INPUT RANGE
- BUILT IN EMI FILTER, LOW RIPPLE NOISE
- HIGH EFFICIENCY, LOW WORKING TEMPERATURE
- SOFT-START CIRCUIT, LIMITING AC SURGE CURRENT
- SHORT CIRCUIT, OVERLOAD, OVERVOLTAGE PROTECTED
- COMPACT SIZE, LIGHT WEIGHT
- 100% FULL LOAD BURN-IN TEST

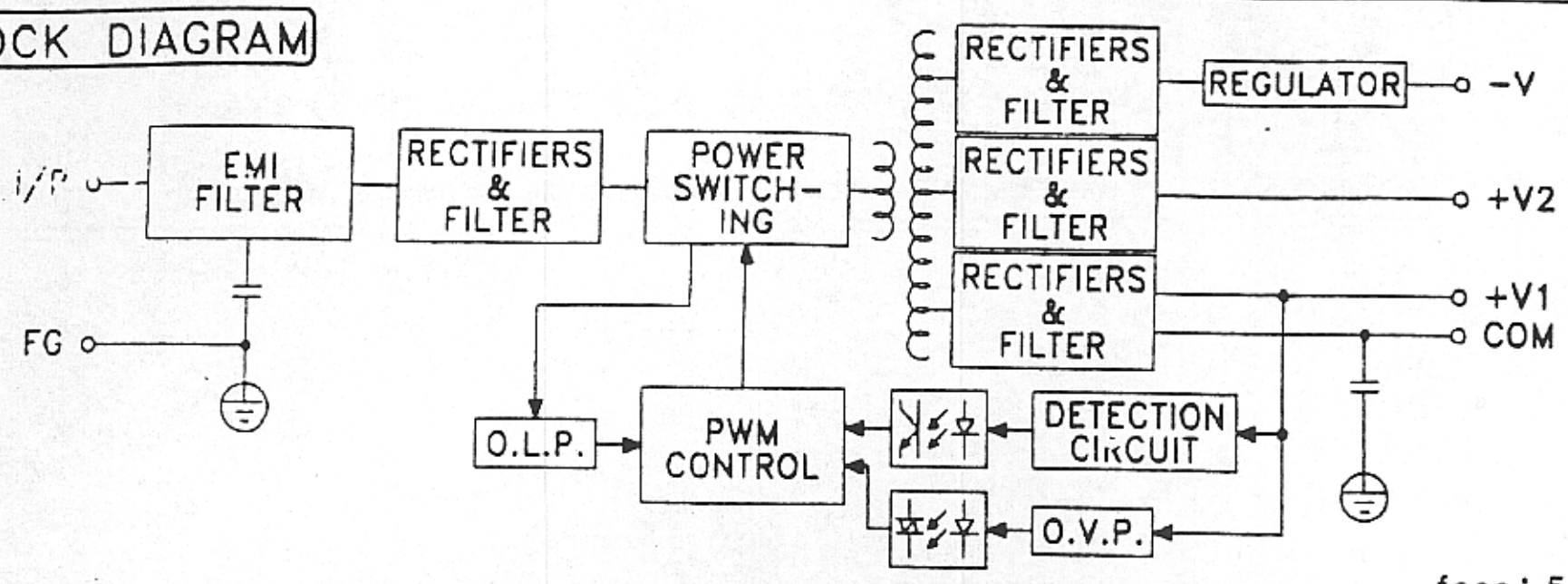


MODEL / SPECIFICATION	T-60A 123473			T-60B 123481			T-60C 123490		
	CH1	CH2	CH3	CH1	CH2	CH3	CH1	CH2	CH3
DC OUTPUT VOLTAGE	5V	12V	-5V	5V	12V	-12V	5V	15V	-15V
OUTPUT V. TOLERANCE	±2%	±6%	±6%	±2%	±6%	±6%	±2%	±6%	±6%
OUTPUT RATED CURRENT	5A	2.5A	0.5A	5A	2.5A	0.5A	5A	2A	0.5A
OUTPUT CURRENT RANGE	0.5-7A	0.2-3.5A	0-1A	0.5-7A	0.2-3.5A	0-1A	0.5-7A	0.2-3A	0-1A
RIPPLE & NOISE (p-p)	100mV	100mV	100mV	100mV	100mV	100mV	100mV	100mV	100mV
LINE REGULATION	±0.5%	±1%	±0.5%	±0.5%	±1%	±0.5%	±0.5%	±1%	±0.5%
LOAD REGULATION	±0.5%	±4%	±1%	±0.5%	±4%	±1%	±0.5%	±4%	±1%
DC OUTPUT POWER	57.5W			61W			62.5W		
FFICIENCY	72%			72%			72%		
DC VOLTAGE ADJ.	CH1:+10,-5%			CH1:+10,-5%			CH1:+10,-5%		
INPUT VOLTAGE RANGE	85～264VAC								
INPUT FREQUENCY	47～63Hz								
AC CURRENT	2A/115V 1A/230V								
INRUSH CURRENT	COLD START 25A/115V 50A/230V								
OVERLOAD PROTECTION	105%～150% TYPE:FOLDBACK CURRENT SHUTDOWN RECOVERY:AUTO								
OVER V. PROTECTION	CH1:5.75V～6.75V								
OVER TEMP. PROTECTION	-----								
TEMP. COEFFICIENT	±0.03% / ℃ ON +5V OUTPUT								
SETUP,RISE,HOLD UP TIME	800ms, 50ms, 10ms/115VAC 300ms, 50ms, 80ms/230VAC								
WITHSTAND VOLTAGE	I/P-O/P:3KV(NOTE:7) I/P-FG:1.5KV O/P-FG:0.5KV 1min.								
WORKING TEMP.,HUMIDITY	-10℃～+60℃, 20%～90% RH (REFER TO OUTPUT DERATING CURVE)								
STORAGE TEMP.,HUMIDITY	-20℃～+85℃, 10%～95% RH								
DIMENSION	159*97*38mm CASE:901								
WEIGHT	0.55Kgs								
SAFETY	UL1012, TUV EN60950 (IEC950, UL1950) APPROVED								
MC	CISPR22 (EN55022) CLASS B, IEC801-2,3,4, IEC555-2 VERIFICATION								

NOTE:
1. ALL PARAMETERS ARE SPECIFIED AT 230VAC INPUT, RATED LOAD, 25℃ AMBIENT.
2. TOLERANCE : INCLUDE SET UP TOLERANCE, LINE REGULATION, LOAD REGULATION, CROSS REGULATION.
3. RIPPLE & NOISE ARE MEASURED AT 20MHz BY USING A 12" TWISTED PAIR TERMINATED WITH A 0.1uF & 47uF CAPACITOR.
4. LINE REGULATION IS MEASURED FROM LOW LINE TO HIGH LINE AT RATED LOAD.
5. LOAD REGULATION IS MEASURED FROM 20% TO 100% RATED LOAD, AND ALL OTHER OUTPUTS AT 60% RATED LOAD.
6. EACH OUTPUT PROVIDE UP TO MAXIMUN CURRENT, BUT TOTAL LOAD CAN NOT EXCEED MAX OUTPUT POWER.
7. C2,3,6 MUST BE REMOVED.

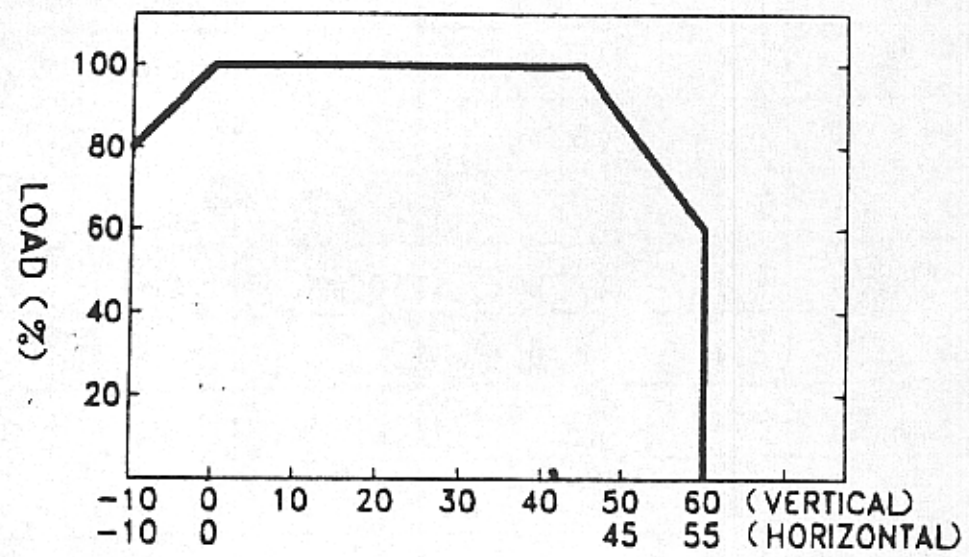
84.10.01

BLOCK DIAGRAM

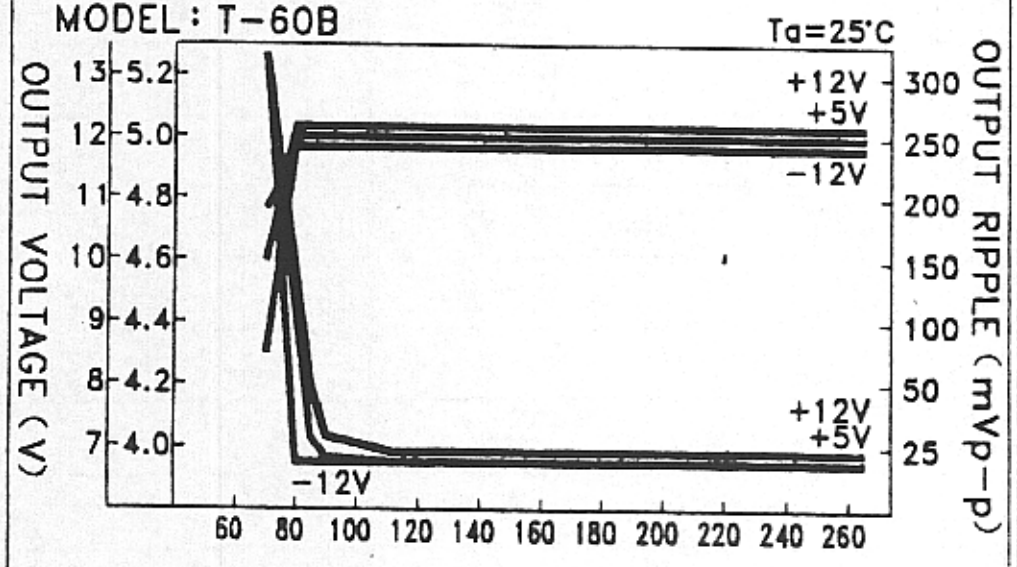


fosc : 50KHz

OUTPUT DERATING



STATIC CHARACTERISTICS



DIMENSION (mm)

- CASE : 901
- TERMINAL PIN NO. ASSIGNMENT
  - PIN 1,2 : AC INPUT
  - PIN 3 : FG ⏚
  - PIN 4 : DC OUTPUT -V
  - PIN 5 : DC OUTPUT +V2
  - PIN 6 : DC OUTPUT COM
  - PIN 7 : DC OUTPUT +V1